



Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

Application Number	10/055,556
Filing Date	10-26-2001
First Named Inventor	Healy
Group Art Unit	
Examiner Name	
Attorney Docket Number	ZL668/01001

(use as many sheets as necessary)

Sheet	1	of	2	Attorney Docket Number	ZL668/01001
-------	---	----	---	------------------------	-------------

Pages, Columns, Line
Words, Element
Pages of Relevant
Figures Appear

Examiner Initials*	Cite No*	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines of Cited Document Part or Relevant Figures Appear
		Number	Kind Code* (if known)			
A		1,631,854		Carroll	06-07-1927	RECEIVED APR - 1 2001 TECHNOLOGY CENT
		3,128,810		Whipp	04-14-1964	
		3,151,644		Bainbridge et al.	10-06-1964	
		3,780,641		Hole	12-25-1973	
		3,806,620		Vadas	04-23-1974	
		4,108,059		Loveland	08-22-1978	
		4,373,432		Tsutsumi	02-15-1983	
		4,441,413		Mori	04-10-1984	
		4,497,245		Mori	02-05-1985	
		4,546,545		Hirano	10-15-1985	
		4,606,263		Ross et al.	08-19-1986	
		4,653,393		Ross	03-31-1987	
		4,690,047		Balzano	09-01-1987	
		4,718,333		Pierce et al.	01-12-1988	
		4,741,265		Cushman	05-03-1988	
	4,834,795		Raub et al.	05-30-1989		
	5,067,397		Healy	11-26-1991		
	5,142,972		Sundquist	09-01-1992		
	5,454,301		Rainey et al.	10-03-1995		
	5,463,943		Knasel	11-07-1995		

Pages, Columns, Lines,
Where Relevant
Passages of Relevant
Figures Appear

[illegible]

Anthony Wiles

Date Considered

26/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard St.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2

2

of

2

Complete if Known	
Application Number	10/055,556
Filing Date	0-26-2001
First Named Inventor	Healy
Group Art Unit	
Examiner Name	
Attorney Docket Number	ZL668/01001

U.S.PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

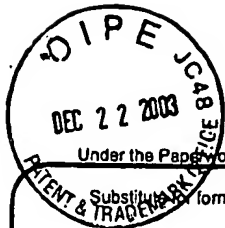
[illegible]

Examiner Signature	Anthony M. Lee	Date Considered	2/8/05
--------------------	----------------	-----------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard St.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/055,556
Filing Date	10/26/2001
First Named Inventor	HEALY
Art Unit	1761
Examiner Name	WEIER
Attorney Docket Number	ZL668/01001

Sheet 1 of 1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
[Signature]		US- 5,133,250	07-28-1992	DEL SER GONZALEZ	
		US- 5,231,921	08-03-1993	KIRK	
		US- 5,245,919	09-21-1993	NEIDIGH	
		US- 5,373,781	12-20-1994	KNASEL	
		US- 5,640,898	06-24-1997	TOMELLERI	
		US- 5,787,801	08-04-1998	KIRK et al.	
		US- 5,957,045	09-28-1999	HE et al.	
		US- 6,237,475	05-29-2001	ASCARI et al.	
		US- 2003/0039732	02-27-2003	BLASCO PIQUER et al.	
		US- 2003/0121422	07-03-2003	MENDENHALL	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ³
		Country Code ³ Number ⁴ Kind Code ⁶ (if known)				
[Signature]		WO 02/087364	11-07-2002	FMC Technologies, Inc.		

Examiner Signature	Anthony Weier	Date Considered	2/6/05
-----------------------	---------------	--------------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.